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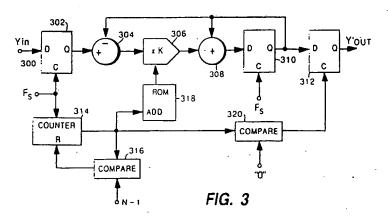
EUROPEAN PATENT APPLICATION

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- (51) Int. Cl.5: H03H 17/04

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- Adjustable antialias filters.
- (3) A programmable sampled data subsampling system includes a programmable antialias filter which bandlimits the information bandwidth of the signal to be subsampled in accordance with the subsampling rate. The antialias filter includes a recursive filter which scales and combines (304,306,308) input samples and delayed (310) com-

bined samples in proportions of K and (1-K) where K is a variable. The variables K are applied (314,316,318) to the recursive filter in repeating sequences of N values of K where N is the subsampling factor. Every Nth combined sample is extracted (312,320) and provided as the subsampled signal.





EUROPEAN SEARCH REPORT

Application Number

EP 90 30 0818

DOCUMENTS CONSIDERED TO BE RELEVANT				
Category		th Indication, where appropriate, evant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. CI.5)
Y	AND SYSTEMS, San Jose, vol. 1, pages 289-294; K.R. coding" Page 289, left-hand columnine 21; page 290, left-hand	AL SYMPOSIUM ON CIRCUIT California, 5th - 7th May 1980 RAO: "Digital filtering in imagen, line 14 - right-hand column column, line 31 - right-hand left-hand column, line 9 - right es 2,8 *	6, ge n,	н 03 н 17/04
·A	IDEM		2,4,7	
Y	IEEE 32ND INTERNATIONAL SOLID-STATE CIRCUITS CONFERENCE, vol. 28, 13th February 1985, pages 80-81,313, Coral Gables, Florida, US, session VII: "Data converters"; M.W. HAUSER et al.: "MOS ADC-filter combination that does not require precision analog components" * Page 80, right-hand column, line 42 - page 81, left-hand column, line 7; figure 4 *			
Α	IDEM		4,5	
Α	FR-A-2 532 504 (RCA CORP.)(31-08-1983) * Abstract; page 3, lines 10-30; page 7, line 20 - page 8, line 33; figures 1,3 *		1,2,4,7,8 line	TECHNICAL FIELDS SEARCHED (Int. CI.5) H 03 H H 04 N
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	The present search report has	been drawn up for all claims		
_	The Hague 22 November 90		h	Examiner .WRIGHT J.P.
CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same catagory A: technological background O: non-written disclosure P: Intermediate document T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons A: member of the same patent family, corresponding document T: theory or principle underlying the invention				